

Inline Spur Gear Reducers

Output Torque
1.13 - 3.90Nm

Ratio
2:1 - 10:1

Double or Single Shafted

K83 / XK83

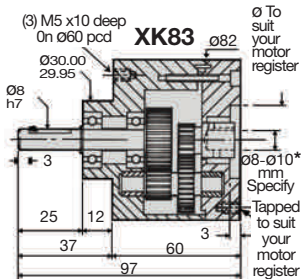
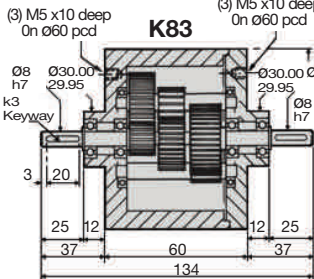
K83 / XK83



| | |
|-------------------------|---------------------------------|
| WEIGHT | 2.6 Kg |
| BACKLASH | 3° - 6° Depending on Ratio |
| HOURS LIFE | 12000 |
| MAX INPUT SPEED | 4000 rpm |
| MATERIAL : | |
| CASE MAT'L | Aluminium Body & Caps |
| GEAR MAT'L | High Carbon Steel 817M40 (EN24) |
| GREASED FOR LIFE | Shell Alvania |

INLINE SPUR GEAR REDUCERS

Gearboxes



Input Bore, Tapped Holes & Register must be specified when ordering.

| N.m. | RPM Input | Reduction ratio | | | | | | | |
|---------------|-----------|-----------------|------|------|------|------|------|------|--|
| | | 2:1 | 3:1 | 4:1 | 5:1 | 6:1 | 9:1 | 10:1 | |
| Output Torque | 4000 | 1.13 | 1.31 | 1.45 | 1.45 | 1.40 | 1.52 | 1.54 | |
| | 2000 | 1.45 | 1.54 | 1.70 | 1.70 | 1.68 | 1.73 | 1.75 | |
| | 1000 | 1.70 | 1.82 | 1.97 | 1.91 | 1.90 | 1.98 | 2.05 | |
| | 500 | 1.95 | 2.10 | 2.30 | 2.28 | 2.22 | 2.29 | 2.34 | |
| | 200 | 2.26 | 2.41 | 2.62 | 2.60 | 2.52 | 2.61 | 2.68 | |
| | 100 | 2.58 | 2.72 | 2.92 | 2.88 | 2.81 | 2.93 | 3.00 | |
| | 50 | 2.90 | 3.18 | 3.48 | 3.46 | 3.45 | 3.55 | 3.60 | |
| | 20 | 3.46 | 3.60 | 3.80 | 3.77 | 3.76 | 3.81 | 3.90 | |

*Plain bore, no keyslot

| DISCOUNTS | |
|-----------|------------|
| 1 - 5 | List Price |
| 6 - 19 | -5% |
| 20 - 49 | -10% |
| 50 - 99 | -15% |
| 100 + | -20% |

| PART NUMBER | | Ratio | Max O/P Speed rpm | N.M. Rating @ 1000 rpm Mod. | Standard Direction | PRICE EACH 1-5 |
|---|------------|-------|-------------------|-----------------------------|--------------------|----------------|
| HPCK83-2 | HPCXK83-2 | 2:1 | 2000 | 1.70 | 0.8 | £414.68 |
| HPCK83-3 | HPCXK83-3 | 3:1 | 1333 | 1.82 | 0.8 | £414.68 |
| HPCK83-4 | HPCXK83-4 | 4:1 | 1000 | 1.97 | 0.8 | £414.68 |
| HPCK83-5 | HPCXK83-5 | 5:1 | 800 | 1.91 | 0.8 | £414.68 |
| HPCK83-6 | HPCXK83-6 | 6:1 | 666 | 1.90 | 0.8 | £414.68 |
| HPCK83-9 | HPCXK83-9 | 9:1 | 444 | 1.98 | 0.8 | £414.68 |
| HPCK83-10 | HPCXK83-10 | 10:1 | 400 | 2.05 | 0.8 | £414.68 |
| HPCK83-SP or HPCXK83-SP Special Ratios: Replace SP with required ratio | | | | | | £479.32 |

Other Info.

Testing in your application is necessary.

You will need to assess duty, cycles and confirm gearbox suitability with your own calculations.

Torque figures are to be used for guidance only.

Efficiency @ 1000 R.P.M.: 92%

1.68



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